

Product description

Touring series

SK amp, Self powered loudspeaker system

The SK amp loudspeaker is a powered version of the SK loudspeaker system which is a fully horn loaded compact cabinet made for application where directivity and power are of importance.

The SK amp uses a proprietary 12 inch low frequency cone driver, a 8 inch mid frequency cone driver and a 1 inch high frequency driver loaded with a CD horn. All drivers are mounted in the same horn to form a unique power source point with very precise directivity of 45°x 50° (H x V) down to 300 Hz.

The SK-F amp is easily arrayable with its 9,5° trapezoidal shape and L-track rigging flying hardware.

The SK amp built-in electronics package features a new bi-amplifier module, designed specifically for AP Self Powered products.

The powerful, lightweight amplifier adds only 3 Kg to the weight of the cabinet while supplying 2 x 600W of RMS power.

Also a new DSP board provides the necessary crossover for Low & High frequencies, EQ for the transducers, phase EQ and time delay for accurate pulse response.

An RS 232 serial interface allows the user to EQ the system for special applications.

A standard Audio-Performance analogue driver protection circuitry protects the loudspeaker components from damage due to overheating or overdrive under high power conditions.

Intelligent AC suppresses high-voltage transients and provides a soft start function to eliminate high inrush currents during power-up.



IDEAL FOR

Touring
Concert halls
Clubs
Discotheques
Festivals

The SK amp is ideal for any professional touring or installation application requiring directivity control compactness and high sound pressure levels

Special Features

Built in amplifiers
Digital controller DSP

High efficiency
Medium throw
Arrayable
Compact

Technical data

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Acoustical specifications

Frequency response	60-18'000 Hz ± 3dB
Sensitivity (full space)	106 dB/W@1m
Max. SPL	134 dB cont. 140 dB peak
Directivity H x V	45° x 50°
Crossover frequency	600Hz (active) & 3KHz (passive)

Transducers description and electrical data

Low frequency	12 inch, long excursion, low distortion cone driver
Mid frequency	8 inch, long excursion, low distortion cone driver
High frequency	2 inch diaphragm compression driver, loaded with CD horn

Amplifiers

Output power (low)	600W (EIAJ-1KHZ, 1% THD)
Output power (mid-high)	600W (EIAJ-1KHZ, 1% THD)
THD, DIM, SMPTE	< 0.05%

Audio input

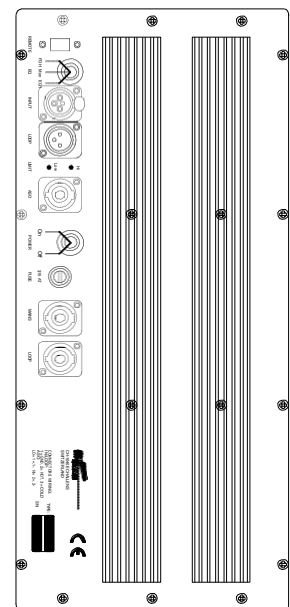
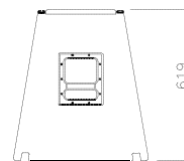
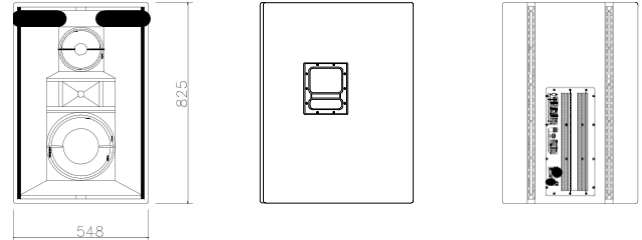
Type	differential balanced input circuit
Connector	female XLR: Male XLR loop
Nominal impedance	electronically balanced 10k Ohms
XLR wiring	1: GND, 2: positive, 3: negative

AC power

Connectors	Female PowerCon, in Male PowerCon, loop
Input voltage (EU)	195V - 250V AC
Average total efficiency	75%

Mechanical data

Cabinet size (W x H x D)	547 x 825 x 619mm
Weight	52 kg
Enclosure, finish	18mm plywood, black textured
Protective grill	removable perforated steel grill covered with charcoal grey foam



Backside - rear panel

- AC switch & fuse
PowerCon AC, IN & Loop
- RS232 remote control port
EQ switch (FOH, Monitor, EQ1)
Female XLR, input signal & Male XLR, Loop
Limit LED's Low & HI

In the interest of improving the equipment, AUDIO PERFORMANCE reserves the right to alter the specification without prior notice. AUDIO-PERFORMANCE EU by EVENTECH S.A